Bruhat Bangalore Mahanagara Palike

Executive Engineer Bytarayanapura Division

Name of Work:Improvements To Roads and Drains In Chiranjeevi Layout And Surrounding Area in Ward No-07 Byatarayanapura

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Removing and resetting Stone Slab of drain and pointing in C.M (1:3) (Approved Rate)								
	Approved Rate	**121.00**							
	Area Weightage 10%	**12.10**							
	Total	**133.10**							
		Sqm							
	Ward No-07								
	Bottom Slab								
	Chiranjeevi Layout								
	2nd Cross Rd	2	51.00	1.65		168.30			
	Neerabhavi ,Kemmanna Layout	2	125.00	1.65		412.50			
	Muniswamy Gowda Layout								
	1st A Cross Rd	2	35.00	1.65		115.50			
	1st B CrosS Rd	2	34.50	1.65		113.85			
	1st C Cross Rd	2	34.50	1.65		113.85			
						924.00			
	Consider 60%					554.40			
	Deduct 20% Missing/Damaged Slab					110.88			
						443.52	**Sqm**	**133.10**	**59,032.51**
2	Removing and Resetting of Footpath Slab and pointing in C.M (1:3) (Approved Rate)								
	Approved Rate	**235.00**							
	Area Weightage 10%	**23.50**							
	Total	**258.50**							
		Sqm							
	Ward No-07								
	Top Slab								
	Chiranjeevi Layout								
	3rd Crs Near Vidyanikethan School	2	200.00	0.90		360.00			
	Veeranpalya								
	6th Cross Rd	1	120.00	0.90		108.00			
	5th Cross Rd	1	115.00	0.90		103.50			
	4th Cross Rd	2	230.00	0.90		414.00			
						985.50			
	Consider 60%					591.30			
	Deduct 30% Missing/Damaged Slab					177.39			
						413.91	**Sqm**	**258.50**	**106995.74**
3	**Earth work excavation by manual means** for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) (V-I.No 1.4,Page No-5 PWD SR 2021-22)								
	Basic Rate	186.00							
	Loading And Unloading	118.00							
	Sub Total	304.00							

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Area Weightage 10%	30.40							
	Total Rate	**334.40**							
	Ward No-07								
	Rcc Drain								
	Veeranpalya								
	6th Cross Rd	1	110.00	1.00	1.10	121.00			
	United core Rd	2	115.00	1.00	1.15	264.50			
	For Culverts	8	6.00	1.50	1.15	82.80			
	Drain Desilt								
	Chiranjeevi Layout								
	Neerabhavi ,Kemmanna Layout	2	125.00	0.45	0.45	50.63			
						518.93	**Cum**	**334.40**	**173528.52**
4	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 40 mm** nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22)								
	Basic Rate	**5752.00**							
	Area Weightage 10%	**575.20**							
	Total Rate	**6327.20**							
	Ward No-07								
	Rcc Drain								
	Veeranpalya								
	6th Cross Rd	1	110.00	1.00	0.15	16.50			
	United core Rd	2	115.00	1.00	0.15	34.50			
	For Culverts	8	6.00	1.50	0.15	10.80			
						61.80	**Cum**	**6327.20**	**391020.96**
5	Supplying, **Fitting and Placing un-coated TMT bar** Reinforcement in sub-structure complete as per Drawing and Technical Specifications.(V-III, I.No 13.1 Page No 99, PWD SR 2021-22)								
	Basic Rate	**103329.00**							
	Area Weightage 10%	**10332.90**							
	Total Rate	**113661.90**							
	For RCC Drain , 60kg/Sqm	1	102.00	60.00		6120.00			
	For RCC Culvert, 90kg/Sqm	1	24.77	90.00		2229.12			
						8.35	**Tn**	**113661.90**	**948976.84**
6	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M20 Design Mix Using 20 mm nominal** size graded crushed coarse aggregates (V-1,P.No.17, I.No.2.4.2 of PWD SR 2021-22)								
	Basic Rate	**6256.00**							
	5% for Centring	**312.80**							
	Sub Total	**6568.80**							
	Area Weightage 10%	**656.88**							
	Total Rate	**7225.68**							
	Ward No-07								

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Rcc Drain Raft								
	Veeranpalya								
	6th Cross Rd	1	110.00	0.80	0.15	13.20			
	United core Rd	2	115.00	0.80	0.15	27.60			
	Rcc Drain Wall								
	Veeranpalya								
	6th Cross Rd	2	110.00	0.15	0.60	19.80			
	United core Rd	4	115.00	0.15	0.60	41.40			
						102.00			
	Culvert Raft								
		8	6.00	1.20	0.20	11.52			
	Culvert Wall								
		16	6.00	0.23	0.60	13.25			
						24.77			
						126.77	**Cum**	**7225.68**	**915985.00**
7	Providing and laying in position **plain cement concrete** for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. **Mix 1:3:6 (M10) Using 20 mm** nominal size graded crushed coarse aggregates (V-I, No-2.1.4, P.No-15 of PWD SR 2021-22).								
	Basic rate	**5926.00**							
	Area Weightage 10%	**592.60**							
	Total	**6518.60**							
	Ward No-07	**Cum**							
	Flagging Course PCC								
	Chiranjeevi Layout								
	2nd Cross Rd	4	51.00	0.20	0.10	4.08			
	Neerabhavi ,Kemmanna Layout	4	125.00	0.20	0.10	10.00			
	Muniswamy Gowda Layout								
	1st A Cross Rd	4	35.00	0.20	0.10	2.80			
	1st B CrosS Rd	4	34.50	0.20	0.10	2.76			
	Flagging Course Coping								
	2nd Cross Rd	4	51.00	0.15	0.10	3.06			
	Neerabhavi ,Kemmanna Layout	4	125.00	0.15	0.10	7.50			
	Muniswamy Gowda Layout								
	1st A Cross Rd	4	35.00	0.15	0.10	2.10			
	1st B CrosS Rd	4	34.50	0.15	0.10	2.07			
						34.37	**Cum**	**6518.60**	**224044.28**
8	Providing and constructing load bearing wall with **Solid Concrete blocks** of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (V-2, No-6.33, P.No-17 of PWD SR 2021-22).								
	Basic rate	**1067.00**							
	Area Weightage 10%	**106.70**							
	Total	**1173.70**							
	Ward No-07								
	Flagging Course	**Sqm**							
	Chiranjeevi Layout								
	2nd Cross Rd	4	51.00		0.20	40.80			
	Neerabhavi ,Kemmanna Layout	4	125.00		0.20	100.00			

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Muniswamy Gowda Layout								
	1st A Cross Rd	4	35.00		0.20	28.00			
	1st B CrosS Rd	4	34.50		0.20	27.60			
						196.40	**Sqm**	**1173.70**	**230514.68**
9	Providing and fixing **precast reinforced cement concrete covering slabs of 10Cm thick** made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work								
	Data Rate	**2072.00**							
	Ward No-07								
	Chiranjeevi Layout								
	2nd Cross Rd	2	51.00	0.75		76.50			
	Neerabhavi ,Kemmanna Layout	2	125.00	0.90		225.00			
	Muniswamy Gowda Layout								
	1st A Cross Rd	2	35.00	0.75		52.50			
	1st B CrosS Rd	2	34.50	0.75		51.75			
	Veeranpalya								
	6th Cross Rd	1	110.00	0.75		82.50			
	United core Rd	2	115.00	0.75		172.50			
	Add Missing/Damaged Slab					177.39			
						838.14			
	Deduct 20% Bs Slab					167.63			
						670.51	**Sqm**	**2072.00**	**1389300.86**
10	Providing and fixing **RCC precast cover slab of 230mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data Rate	**5037.00**							
	For Culverts								
		8	6.00	1.20		57.60			
						57.60	**Sqm**	**5037.00**	**290131.20**
11	Providing **B S slabs of selected quality roughly dressed having a size of 10 cms** thick and fixed in cement mortar (1:6) including fixing curing ete., complete. as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)								
	Approved rate	**837.00**							
	Area Weightage 10%	**83.70**							
	Total	**920.70**							
	Top 20% Slab					167.63			
						167.63	**Sqm**	**920.70**	**154335.10**
12	Earth work in surface **excavation by mechanical means** for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work ((V-I, P.No-8, I No-1.12 of PWD SR 2021-22)								
	Basic Rate	**65.00**							
	Area Weightage 10%	6.50							
	Total Rate	**71.50**							
	Ward No-07								

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Asphalt Road								
	Muniswamy Gowda Layout								
	Near Century Apartment	1	140.00	2.00	0.25	70.00			
	New Asphalt Road								
	GKVK Layout								
	Ravi Gowda Layout	1	256.00	5.40	0.25	345.60			
	Edge Correction/ Damage Portion/Bad reaches								
	Chiranjeevi Layout								
		6	4.00	2.00	0.25	12.00			
		4	6.00	1.00	0.25	6.00			
		3	2.00	1.20	0.25	1.80			
		3	1.50	1.20	0.25	1.35			
		5	2.00	1.20	0.25	3.00			
	Muniswamy Gowda Layout								
		3	1.50	1.20	0.25	1.35			
		3	1.50	1.20	0.25	1.35			
		8	4.00	1.60	0.25	12.80			
		5	2.00	1.20	0.25	3.00			
		4	1.50	1.20	0.25	1.80			
		3	1.50	1.20	0.25	1.35			
		3	1.50	1.20	0.25	1.35			
		8	4.00	1.60	0.25	12.80			
		5	2.00	1.20	0.25	3.00			
		3	1.50	1.20	0.25	1.35			
		3	1.50	1.20	0.25	1.35			
		8	4.00	1.60	0.25	12.80			
		5	2.00	1.20	0.25	3.00			
		5	2.00	1.20	0.25	3.00			
		8	4.00	1.60	0.25	12.80			
		5	2.00	1.20	0.25	3.00			
		3	1.50	1.20	0.25	1.35			
		4	1.50	1.20	0.25	1.80			
		6	1.50	1.20	0.25	2.70			
	Veeranpalya								
		5	2.00	1.20	0.25	3.00			
		3	1.50	1.20	0.25	1.35			
		4	1.50	1.20	0.25	1.80			
		5	2.00	1.20	0.25	3.00			
		3	1.50	1.20	0.25	1.35			
		3	1.50	1.20	0.25	1.35			
		8	4.00	1.60	0.25	12.80			
		5	2.00	1.20	0.25	3.00			
		3	1.50	1.20	0.25	1.35			
		8	4.00	1.60	0.25	12.80			
		5	2.00	1.20	0.25	3.00			
		3	1.50	1.20	0.25	1.35			
		3	1.50	1.20	0.25	1.35			

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		8	4.00	1.60	0.25	12.80			
		3	1.50	1.20	0.25	1.35			
		8	4.00	1.60	0.25	12.80			
		5	2.00	1.20	0.25	3.00			
		5	2.00	1.20	0.25	3.00			
		8	4.00	1.60	0.25	12.80			
	Jai Ram Layout								
		5	2.00	1.20	0.25	3.00			
		3	1.50	1.20	0.25	1.35			
		4	1.50	1.20	0.25	1.80			
		5	2.00	1.20	0.25	3.00			
		3	1.50	1.20	0.25	1.35			
	GKVK Layout								
		3	1.50	1.20	0.25	1.35			
		8	4.00	1.60	0.25	12.80			
		4	1.50	1.20	0.25	1.80			
		5	2.00	1.20	0.25	3.00			
		3	1.50	1.20	0.25	1.35			
		5	2.00	1.20	0.25	3.00			
						648.75	**Cum**	**71.50**	**46,385.63**
13	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density (V-III, P.No-24,I No-4.27A)of PWD SR 2021-22).								
	Basic Rate	**2394.00**							
	Area Weightage 10%	239.40							
	Total Rate	**2633.40**							
	Ward No-07								
	Asphalt Road								
	Muniswamy Gowda Layout								
	Near Century Apartment	1	140.00	2.00	0.225	63.00			
	New Asphalt Road								
	GKVK Layout								
	Ravi Gowda Layout	1	256.00	5.40	0.225	311.04			
	Edge Correction/ Damage Portion/Bad reaches								
	Chiranjeevi Layout								
		6	4.00	2.00	0.225	10.80			
		4	6.00	1.00	0.225	5.40			
		3	2.00	1.20	0.225	1.62			
		3	1.50	1.20	0.225	1.22			
		5	2.00	1.20	0.225	2.70			
	Muniswamy Gowda Layout								
		3	1.50	1.20	0.225	1.22			
		3	1.50	1.20	0.225	1.22			
		8	4.00	1.60	0.225	11.52			
		5	2.00	1.20	0.225	2.70			
		4	1.50	1.20	0.225	1.62			
		3	1.50	1.20	0.225	1.22			

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		3	1.50	1.20	0.225	1.22			
		8	4.00	1.60	0.225	11.52			
		5	2.00	1.20	0.225	2.70			
		3	1.50	1.20	0.225	1.22			
		3	1.50	1.20	0.225	1.22			
		8	4.00	1.60	0.225	11.52			
		5	2.00	1.20	0.225	2.70			
		5	2.00	1.20	0.225	2.70			
		8	4.00	1.60	0.225	11.52			
		5	2.00	1.20	0.225	2.70			
		3	1.50	1.20	0.225	1.22			
		4	1.50	1.20	0.225	1.62			
		6	1.50	1.20	0.225	2.43			
	Veeranpalya								
		5	2.00	1.20	0.225	2.70			
		3	1.50	1.20	0.225	1.22			
		4	1.50	1.20	0.225	1.62			
		5	2.00	1.20	0.225	2.70			
		3	1.50	1.20	0.225	1.22			
		3	1.50	1.20	0.225	1.22			
		8	4.00	1.60	0.225	11.52			
		5	2.00	1.20	0.225	2.70			
		3	1.50	1.20	0.225	1.22			
		8	4.00	1.60	0.225	11.52			
		5	2.00	1.20	0.225	2.70			
		3	1.50	1.20	0.225	1.22			
		3	1.50	1.20	0.225	1.22			
		8	4.00	1.60	0.225	11.52			
		3	1.50	1.20	0.225	1.22			
		8	4.00	1.60	0.225	11.52			
		5	2.00	1.20	0.225	2.70			
		5	2.00	1.20	0.225	2.70			
		8	4.00	1.60	0.225	11.52			
	Jai Ram Layout								
		5	2.00	1.20	0.225	2.70			
		3	1.50	1.20	0.225	1.22			
		4	1.50	1.20	0.225	1.62			
		5	2.00	1.20	0.225	2.70			
		3	1.50	1.20	0.225	1.22			
	GKVK Layout								
		3	1.50	1.20	0.225	1.22			
		8	4.00	1.60	0.225	11.52			
		4	1.50	1.20	0.225	1.62			
		5	2.00	1.20	0.225	2.70			
		3	1.50	1.20	0.225	1.22			
		5	2.00	1.20	0.225	2.70			
						583.88	**Cum**	**2633.40**	**1537576.43**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
14	Providing and applying **primer coat** with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. (V-III, P.No-29,I No-5.1(i) of PWD SR 2021-22).								
	Basic Rate	**44.00**							
	Area Weightage 10%	4.40							
	Total Rate	**48.40**							
	Ward No-07								
	Asphalt Road								
	Muniswamy Gowda Layout								
	Near Century Apartment	1	140.00	2.00		280.00			
	New Asphalt Road								
	GKVK Layout								
	Ravi Gowda Layout	1	256.00	5.40		1382.40			
	Edge Correction/ Damage Portion/Bad reaches								
	Chiranjeevi Layout								
		6	4.00	2.00		48.00			
		4	6.00	1.00		24.00			
		3	2.00	1.20		7.20			
		3	1.50	1.20		5.40			
		5	2.00	1.20		12.00			
	Muniswamy Gowda Layout								
		3	1.50	1.20		5.40			
		3	1.50	1.20		5.40			
		8	4.00	1.60		51.20			
		5	2.00	1.20		12.00			
		4	1.50	1.20		7.20			
		3	1.50	1.20		5.40			
		3	1.50	1.20		5.40			
		8	4.00	1.60		51.20			
		5	2.00	1.20		12.00			
		3	1.50	1.20		5.40			
		3	1.50	1.20		5.40			
		8	4.00	1.60		51.20			
		5	2.00	1.20		12.00			
		5	2.00	1.20		12.00			
		8	4.00	1.60		51.20			
		5	2.00	1.20		12.00			
		3	1.50	1.20		5.40			
		4	1.50	1.20		7.20			
		6	1.50	1.20		10.80			
	Veeranpalya								
		5	2.00	1.20		12.00			
		3	1.50	1.20		5.40			
		4	1.50	1.20		7.20			
		5	2.00	1.20		12.00			
		3	1.50	1.20		5.40			
		3	1.50	1.20		5.40			
		8	4.00	1.60		51.20			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		5	2.00	1.20		12.00			
		3	1.50	1.20		5.40			
		8	4.00	1.60		51.20			
		5	2.00	1.20		12.00			
		3	1.50	1.20		5.40			
		3	1.50	1.20		5.40			
		8	4.00	1.60		51.20			
		3	1.50	1.20		5.40			
		8	4.00	1.60		51.20			
		5	2.00	1.20		12.00			
		5	2.00	1.20		12.00			
		8	4.00	1.60		51.20			
	Jai Ram Layout								
		5	2.00	1.20		12.00			
		3	1.50	1.20		5.40			
		4	1.50	1.20		7.20			
		5	2.00	1.20		12.00			
		3	1.50	1.20		5.40			
	GKVK Layout								
		3	1.50	1.20		5.40			
		8	4.00	1.60		51.20			
		4	1.50	1.20		7.20			
		5	2.00	1.20		12.00			
		3	1.50	1.20		5.40			
		5	2.00	1.20		12.00			
						2595.00	**Sqm**	**48.40**	**125598.00**
15	Providing and applying **tack coat** with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.(V-III, P.No-29,I No-5.3(i) of PWD SR 2021-22).								
	Basic Rate	**12.00**							
	Area Weightage 10%	1.20							
	Total Rate	**13.20**							
	Ward No-07								
	Asphalt Road								
	Muniswamy Gowda Layout								
	Near Century Apartment	1	140.00	2.00		280.00			
	New Asphalt Road								
	GKVK Layout								
	Ravi Gowda Layout	1	256.00	5.40		1382.40			
						1662.40			
	For Profile correction								
	Chiranjeevi Layout								
	3rd Crs Near Vidyanikethan School	1	222.50	6.60		1468.50			
	3rd Cross Rd	1	52.00	4.70		244.40			
	Muniswamy Gowda Layout								
	1st A Cross Rd	1	35.00	3.60		126.00			
	2nd Cross Rd Sunshine Apartment	1	67.50	5.60		378.00			
	1st Cross Rd	1	80.00	4.90		392.00			
	Veeranpalya								

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6th Cross Rd	1	120.00	5.50		660.00			
	United core Rd	1	115.00	5.40		621.00			
	Cross Rd	1	119.50	4.60		549.70			
	5th Cross Rd	1	115.00	4.70		540.50			
	4th Cross Rd	1	234.00	6.50		1521.00			
	Thala Cauvery Layout								
	Dr.Rajkumar Rd	1	110.00	5.70		627.00			
	2nd A Cross Rd	1	109.50	5.20		569.40			
	2nd Cross Rd	1	109.50	5.20		569.40			
	1st Main Rd	1	217.00	7.70		1670.90			
	2nd B Cross Rd	1	40.00	5.50		220.00			
	GKVK Layout								
	Main Road	1	203.50	6.50		1322.75			
	Jai Ram Layout								
	Main Road	1	120.50	6.70		807.35			
	1st Cross Rd	1	68.00	6.00		408.00			
	Anagha Dental Care	1	69.00	6.50		448.50			
						13144.40			
	Consider 15%					**1971.66**			
	For BC								
	Chiranjeevi Layout								
	3rd Crs Near Vidyanikethan School	1	222.50	6.60		1468.50			
	3rd Cross Rd	1	52.00	4.70		244.40			
	Muniswamy Gowda Layout								
	Near Century Apartment	1	140.00	4.90		686.00			
	1st A Cross Rd	1	35.00	3.60		126.00			
	2nd Cross Rd Sunshine Apartment	1	67.50	5.60		378.00			
	1st Cross Rd	1	80.00	4.90		392.00			
	Veeranpalya								
	6th Cross Rd	1	120.00	5.50		660.00			
	United core Rd	1	115.00	5.40		621.00			
	Cross Rd	1	119.50	4.60		549.70			
	5th Cross Rd	1	115.00	4.70		540.50			
	4th Cross Rd	1	234.00	6.50		1521.00			
	Thala Cauvery Layout								
	Dr.Rajkumar Rd	1	110.00	5.70		627.00			
	2nd A Cross Rd	1	109.50	5.20		569.40			
	2nd Cross Rd	1	109.50	5.20		569.40			
	1st Main Rd	1	217.00	7.70		1670.90			
	2nd B Cross Rd	1	40.00	5.50		220.00			
	GKVK Layout								
	Main Road	1	203.50	6.50		1322.75			
	Ravi Gowda Layout	1	256.00	5.40		1382.40			
	Jai Ram Layout								
	Main Road	1	120.50	6.70		807.35			
	1st Cross Rd	1	68.00	6.00		408.00			
	Anagha Dental Care	1	69.00	6.50		448.50			
						15212.80			

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						18846.86	**Sqm**	**13.20**	**248778.55**
16	Providing and laying **Dense Graded Bituminous Macadam** with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects. (V-III, P.No-33,I No-5.12C of PWD SR 2021-22).								
	Basic Rate	**9889.00**							
	Area Weightage 10%	988.90							
	Total Rate	**10877.90**							
	Ward No-07								
	Asphalt Road								
	Muniswamy Gowda Layout								
	Near Century Apartment	1	140.00	2.00	0.05	14.00			
	New Asphalt Road								
	GKVK Layout								
	Ravi Gowda Layout	1	256.00	5.40	0.05	69.12			
						83.12			
	For Profile correction								
	Chiranjeevi Layout								
	3rd Crs Near Vidyanikethan School	1	222.50	6.60	0.05	73.43			
	3rd Cross Rd	1	52.00	4.70	0.05	12.22			
	Muniswamy Gowda Layout								
	1st A Cross Rd	1	35.00	3.60	0.05	6.30			
	2nd Cross Rd Sunshine Apartment	1	67.50	5.60	0.05	18.90			
	1st Cross Rd	1	80.00	4.90	0.05	19.60			
	Veeranpalya								
	6th Cross Rd	1	120.00	5.50	0.05	33.00			
	United core Rd	1	115.00	5.40	0.05	31.05			
	Cross Rd	1	119.50	4.60	0.05	27.49			
	5th Cross Rd	1	115.00	4.70	0.05	27.03			
	4th Cross Rd	1	234.00	6.50	0.05	76.05			
	Thala Cauvery Layout								
	Dr.Rajkumar Rd	1	110.00	5.70	0.05	31.35			
	2nd A Cross Rd	1	109.50	5.20	0.05	28.47			
	2nd Cross Rd	1	109.50	5.20	0.05	28.47			
	1st Main Rd	1	217.00	7.70	0.05	83.55			
	2nd B Cross Rd	1	40.00	5.50	0.05	11.00			
	GKVK Layout								
	Main Road	1	203.50	6.50	0.05	66.14			
	Jai Ram Layout								
	Main Road	1	120.50	6.70	0.05	40.37			
	1st Cross Rd	1	68.00	6.00	0.05	20.40			
	Anagha Dental Care	1	69.00	6.50	0.05	22.43			
						657.22			
	Profile correction 15%					**98.58**			
	Edge Correction/ Damage Portion/Bad reaches								
	Chiranjeevi Layout								
		6	4.00	2.00	0.05	2.40			

Sl No	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		4	6.00	1.00	0.05	1.20			
		3	2.00	1.20	0.05	0.36			
		3	1.50	1.20	0.05	0.27			
		8	4.00	1.60	0.05	2.56			
		5	2.00	1.20	0.05	0.60			
	Muniswamy Gowda Layout								
		3	1.50	1.20	0.05	0.27			
		3	1.50	1.20	0.05	0.27			
		8	4.00	1.60	0.05	2.56			
		5	2.00	1.20	0.05	0.60			
		4	1.50	1.20	0.05	0.36			
		3	1.50	1.20	0.05	0.27			
		3	1.50	1.20	0.05	0.27			
		8	4.00	1.60	0.05	2.56			
		5	2.00	1.20	0.05	0.60			
		3	1.50	1.20	0.05	0.27			
		3	1.50	1.20	0.05	0.27			
		8	4.00	1.60	0.05	2.56			
		5	2.00	1.20	0.05	0.60			
		5	2.00	1.20	0.05	0.60			
		8	4.00	1.60	0.05	2.56			
		5	2.00	1.20	0.05	0.60			
		3	1.50	1.20	0.05	0.27			
		4	1.50	1.20	0.05	0.36			
		6	1.50	1.20	0.05	0.54			
	Veeranpalya								
		5	2.00	1.20	0.05	0.60			
		3	1.50	1.20	0.05	0.27			
		4	1.50	1.20	0.05	0.36			
		5	2.00	1.20	0.05	0.60			
		3	1.50	1.20	0.05	0.27			
		3	1.50	1.20	0.05	0.27			
		8	4.00	1.60	0.05	2.56			
		5	2.00	1.20	0.05	0.60			
		3	1.50	1.20	0.05	0.27			
		8	4.00	1.60	0.05	2.56			
		5	2.00	1.20	0.05	0.60			
		3	1.50	1.20	0.05	0.27			
		3	1.50	1.20	0.05	0.27			
		8	4.00	1.60	0.05	2.56			
		3	1.50	1.20	0.05	0.27			
		8	4.00	1.60	0.05	2.56			
		5	2.00	1.20	0.05	0.60			
		5	2.00	1.20	0.05	0.60			
		8	4.00	1.60	0.05	2.56			
	Jai Ram Layout								
		5	2.00	1.20	0.05	0.60			
		3	1.50	1.20	0.05	0.27			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		4	1.50	1.20	0.05	0.36			
		5	2.00	1.20	0.05	0.60			
		3	1.50	1.20	0.05	0.27			
	GKVK Layout								
		3	1.50	1.20	0.05	0.27			
		8	4.00	1.60	0.05	2.56			
		4	1.50	1.20	0.05	0.36			
		5	2.00	1.20	0.05	0.60			
		3	1.50	1.20	0.05	0.27			
		5	2.00	1.20	0.05	0.60			
						49.19			
						230.89	**Cum**	**10877.90**	**2511630.96**
7	Providing and laying **Bituminous Concrete with 40/60 TPH** capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects (V-III, P.No.36, I.No.5.16C of PWD SR 2021-22).								
	Basic Rate	**11531.00**							
	Area Weightage 10%	1153.10							
	Total Rate	**12684.10**							
	Ward No-07								
	Asphalt Road								
	For BC								
	Chiranjeevi Layout								
	3rd Crs Near Vidyanikethan School	1	222.50	6.60	0.04	58.74			
	3rd Cross Rd	1	52.00	4.70	0.04	9.78			
	Muniswamy Gowda Layout								
	Near Century Apartment	1	140.00	4.90	0.04	27.44			
	1st A Cross Rd	1	35.00	3.60	0.04	5.04			
	2nd Cross Rd Sunshine Apartment	1	67.50	5.60	0.04	15.12			
	1st Cross Rd	1	80.00	4.90	0.04	15.68			
	Veeranpalya								
	6th Cross Rd	1	120.00	5.50	0.04	26.40			
	United core Rd	1	115.00	5.40	0.04	24.84			
	Cross Rd	1	119.50	4.60	0.04	21.99			
	5th Cross Rd	1	115.00	4.70	0.04	21.62			
	4th Cross Rd	1	234.00	6.50	0.04	60.84			
	Thala Cauvery Layout								
	Dr.Rajkumar Rd	1	110.00	5.70	0.04	25.08			
	2nd A Cross Rd	1	109.50	5.20	0.04	22.78			
	2nd Cross Rd	1	109.50	5.20	0.04	22.78			
	1st Main Rd	1	217.00	7.70	0.04	66.84			
	2nd B Cross Rd	1	40.00	5.50	0.04	8.80			
	GKVK Layout								
	Main Road	1	203.50	6.50	0.04	52.91			
	Ravi Gowda Layout	1	256.00	5.40	0.04	55.30			
	Jai Ram Layout								
	Main Road	1	120.50	6.70	0.04	32.29			
	1st Cross Rd	1	68.00	6.00	0.04	16.32			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Anagha Dental Care	1	69.00	6.50	0.04	17.94			
						608.51	**Cum**	**12684.10**	**7718427.06**
18	Providing and laying of **hot applied thermoplastic compound** 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes.(V-III,I No-8.15, P.No-57 of KPWD SR 2021-22)								
	Basic Rate	**478.00**							
	Area Weightage 10%	47.80							
	Total Rate	**525.80**							
	Ward No-07								
	Asphalt Road								
	Chiranjeevi Layout								
	3rd Crs Near Vidyanikethan School	2	222.50	0.10		44.50			
	3rd Cross Rd	2	52.00	0.10		10.40			
	Muniswamy Gowda Layout								
	Near Century Apartment	2	140.00	0.10		28.00			
	1st A Cross Rd	2	35.00	0.10		7.00			
	2nd Cross Rd Sunshine Apartment	2	67.50	0.10		13.50			
	1st Cross Rd	2	80.00	0.10		16.00			
	Veeranpalya								
	6th Cross Rd	2	120.00	0.10		24.00			
	United core Rd	2	115.00	0.10		23.00			
	Cross Rd	2	119.50	0.10		23.90			
	5th Cross Rd	2	115.00	0.10		23.00			
	4th Cross Rd	2	234.00	0.10		46.80			
	Thala Cauvery Layout								
	Dr.Rajkumar Rd	2	110.00	0.10		22.00			
	2nd A Cross Rd	2	109.50	0.10		21.90			
	2nd Cross Rd	2	109.50	0.10		21.90			
	1st Main Rd	2	217.00	0.10		43.40			
	2nd B Cross Rd	2	40.00	0.10		8.00			
	GKVK Layout								
	Main Road	2	203.50	0.10		40.70			
	Ravi Gowda Layout	2	256.00	0.10		51.20			
	Jai Ram Layout								
	Main Road	2	120.50	0.10		24.10			
	1st Cross Rd	2	68.00	0.10		13.60			
	Anagha Dental Care	2	69.00	0.10		13.80			
						520.70	**Sqm**	**525.80**	**273784.06**
19	Cost of Haulage Excluding Loading and Unloading Taking output 25 t load and lead 10 km = 250 t.km (V-III Page No.3, Item No.1.4C of PWD SR 2021-22)								
	Basic Rate	**5.00**							
	8KM Lead = 12*8	96.00							
	Area Weightage 10%	9.60							
	Total Rate	**105.60**							
	Qty frm Item No-2		518.9	1.28		664.22			
	Qty frm Item No-12		648.8	1.28		830.40			
						1494.62	**t.Km**	**105.60**	**157832.29**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amoun
								Total Construction Cost	17503878.68
								Sub Total-1	17503878.68
								12% GST for Construction Cost	2100465.44
								Towards DPR & PMC Cost including GST	395300.00
								Sub Total -2	19999644.12
								Utility Shifting,Miscellaneous and Rounding off	355.88
	GRAND TOTAL								20000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2021-2022, Data rates and issue rates dated 07-04-2022

Assistant Engineer
Ward No-7
BBMP Bangalore

Asst. Executive Engineer,
Kodigehalli Sub Division
BBMP Bangalore

Executive Engineer,
Bytarayanapura Division
BBMP Bangalore

SILICON CONSULTING ENGINEERS